

10/828,587

MS141394.02

AMENDMENTS TO THE SPECIFICATION

Please amend the paragraph starting at line 28 of page 4 and ending at line 9 of page 5 as follows:

Fig. 1 illustrates a specific application of the present invention with respect to a television broadcast over the Internet. A user interface 50 is shown which includes a window 52 50 corresponding to a news broadcast. The news broadcast window 52 50 displays a television news broadcaster presenting news to viewers. The broadcast employs closed captioned technology which provides for presenting text to the viewers which correspond to the utterances of the news broadcaster. The closed captioned text is presented *via* closed caption window 54. According to this specific example, the present invention decodes the closed captioned text (*e.g.*, *via* an ATI All-in-wonder tuner system resident on a person computer) into ASCII text. News stories may be segmented *via* “>>>” in the closed captioned broadcast stream – Cable News Network (CNN) and other news broadcasters commonly employ “>>>” to indicate a story boundary within the closed captioned stream. Additionally, “>>” may be employed by the present invention in discriminating between different speakers.

Please amend the paragraph starting at line 29 of page 5 and ending at line 26 of page 6 as follows:

Turning now to Fig. 2, a functional block diagram of a system 100 according to one aspect of the present invention is illustrated. A communications signal carrying information (*e.g.*, television broadcast, radio broadcast, video, movie, images) is analyzed by a communications signal analyzing system (CSAS) 104. The CSAS 104 decodes the signal and generates key search terms 106 which are employed by a search engine 108 to perform a search for URLs, websites, or other sources of content related to the information contained within the signal 102. The search engine 108 conducts the search and outputs results 110 (*e.g.*, URL data, websites, databases) to be displayed to a

10/828,587

MS141394.02

user via a display/storage system 112. The CSAS 104 may employ any suitable system or systems for key word/term extraction. For example, a neural network, an expert system, NLP dll from NLP group may be employed in connection with key word/term extraction in accordance with the present invention. It is to be appreciated that the CSAS 104, search engine 108 and display/storage system 112 may be part of a single computing system, or some or all 104, 108 and 112 may be part of separate computing systems. Furthermore, it is to be appreciated that the CSAS 104 and/or the search engine 108 may employ filters to refine the search and/or limit the search (e.g., to specific websites) in order to mitigate undesired search results. The display/storage system 112 may comprise a single computing system or a plurality of computer systems. A plurality of computer systems (e.g., internet television, and/or portable data assistant and/or portable computing system and/or wireless communication device and/or any other computing system suitable for displaying and/or storing at least data in connection with the present invention) may be employed to enhance displaying and/or organizing and/or storing the data. For example, a first computer system may be employed to display a broadcast and a second computer system be employed to receive and display and/or store search results (e.g., URL data) in connection with the present invention. As a result a user of the present invention could view a broadcast on a first computer system (e.g., an internet television) and have search results provided to and stored in a second computer system (e.g., portable data assistant), which the user could take to a remote location and analyze the search results at a later time, for example.

Please amend the paragraph starting at line 29 of page 8 and ending at line 13 of page 9 as follows:

Fig. 5 illustrates an aspect of the present invention relating to a system 200 which decodes audio communications data associated with a communication. The system 200 includes an audio communications system 202 which outputs a signal broadcasting audio. The system 200 includes an audio decoding system 204 which decodes the audio information and converts the audio information to a format suitable for use by a keyword

10/828,587

MS141394.02

search term generating system 206 (KWGS)-188. The audio decoding system 204 may include a speech recognition system, and/or neural network and/or expert system and/or other suitable system to facilitate converting the audio information to a suitable format. A search engine 206 208 performs a search using the generated key words and/or key terms generated by the KWGS-188 search term generating system 206, and a search results display system (SRDS) 210 displays the search results (e.g., URLs corresponding to websites containing context related to the audio information of the broadcast. The SRDS 210 may store all or portions of the search results. Furthermore, the SRDS 210 may comprise a plurality of computer systems, each computer system performing different or similar functions with respect to displaying and/or storing all or respective portions of the search result data.

Please amend the paragraph starting at line 14 of page 9 and ending at line 28 of page 9 as follows:

Fig. 6 illustrates an aspect of the present invention relating to a system 220 which decodes image data associated with a communication. The system 220 includes an image system 222 which outputs a signal including image data associated with a communication. The system 222 includes an image decoding system 224 which decodes the image information and converts the image information to a format suitable for use by a keyword generating system (KWGS) search term generating system 226. The image decoding system 224 may include a pattern recognition system, and/or colour recognition system and/or neural network and/or expert system and/or other suitable system to facilitate converting the image information to a suitable format. A search engine 228 performs a search using the generated key words and/or key terms generated by the KWGS search term generating system 226, and a search results display system (SRDS) 230 displays the search results (e.g., URLs corresponding to websites containing content related to the image information of the broadcast). The SRDS 230 may store all or portions of the search results. Furthermore, the SRDS 230 may comprise a plurality of

10/828,587

MS141394.02

computer systems, each computer system performing different or similar functions with respect to displaying and/or storing all or respective portions of the search result data.

Please amend the paragraph starting at line 29 of page 9 and ending at line 19 of page 10 as follows:

Fig. 7 illustrates an aspect of the present invention relating to a system 250 which decodes image, audio and closed captioned data associated with a communication. The system 250 includes an image communications system 252 which outputs a signal broadcasting image data. The system 250 includes an audio communications system 254 which outputs a signal broadcasting audio. A CCI system 256 outputs CC data. A decoding system 258 decodes the image, audio and CCI information and converts the information to a format suitable for use by a ~~keyword generating system (KWGS)-188~~ search term generating system 260. The decoding system 204 258 may include a speech recognition system, and/or pattern recognition system and/or neural network and/or expert system and/or other suitable system to facilitate converting the audio information to a suitable format. The combination of using image and/or audio and/or CCI data facilitates obtaining desired content-based information via search engine 262. The search engine 262 performs a search using the generated key words and/or key terms generated by the search term generating system 260, and a search results display system (SRDS) 264 displays the search results (e.g., URLs corresponding to websites containing content related to the audio information of the broadcast). The SRDS 264 may store all or portions of the search results. Furthermore, the SRDS 264 may comprise a plurality of computer systems, each computer system performing different or similar functions with respect to displaying and/or storing all or respective portions of the search result data. In order to provide a context for the various aspects of the invention, Fig. 8 and the following discussion are intended to provide a brief, general description of a suitable computing environment in which the various aspects of the present invention may be implemented.